

CLAIMS

What is claimed is:

5 1. A method for providing video data, comprising the
steps of:

 opening a main connection for receiving
transmissions of a data flow;

10 opening a second connection for transmission of at
least one look-x data stream comprising data from said
data flow;

 indexing at least one point of the look-x data
stream to at least one corresponding point in said data
flow; and

15 providing control of a playback position of said
data flow based on the indexed points in the look-x data
stream.

20 2. The method of claim 1, further comprising the
step of:

 displaying a timeline corresponding to the indexed
look-x points, the timeline having at least one of said
indexed look-x points displayed so as to reference a
position on said timeline.

25 3. The method of claim 1, wherein said step of
providing control includes the step of:

 displaying at least one of a skip forward and a skip
back button configured to step a play position of said
30 data flow to a position corresponding to a respective
one of a next and a previous of said look-x data points
relative to the current play position of said data flow.

4. The method of claim 1, further comprising the steps of:

5 displaying a timeline having representations of the indexed points;

selecting at least one of the indexed points; and

displaying said data flow at a point beginning with the selected indexed point.

10 5. The method of claim 1, wherein said data flow is a video and said look-x points are frames of said data flow retrieved from one of said main connection and said second connection.

15 6. The method of claim 1, wherein said second connection is a low resolution connection relative to the main connection.

20 7. The method of claim 1, further comprising the step of:

selecting a predetermined number of said indexed look-x points;

25 displaying the predetermined number of indexed points to provide reference for a playback control mechanism; and

updating the selected predetermined number of indexed look-x points based on an update criteria.

30 8. The method of claim 7, wherein said step of selecting includes the step of:

selecting said predetermined number of look-x points such that each of the look-x points is within a

predetermined distance of a first play position of said data flow.

9. The method of claim 7, wherein said update
5 criteria comprises a change of the playback position a predetermined amount from the first play position during the selection step.

10. A device for client side video indexing,
10 comprising:

a video player comprising:

a main data stream for receiving transmissions of a data flow;

15 a look-x data stream connection for receiving transmissions of the data flow; and

a controller for indexing at least one point of the look-x data stream to a corresponding at least one point in said data flow; and

20 a display for displaying at least one of the indexed look-x points.

11. The device of claim 10, wherein the video player further comprises:

25 a skip forward button and a skip back button that each step a play position of said data stream to a respective one of a next and a previous of said look-x points relative to the current play position of said data stream.

30 12. The device of claim 10, wherein the display further displays a timeline referenced to the data flow and at least one of said indexed look-x points, the

indexed look-x points each displayed so as to reference a position on said timeline.

13. The device of claim 10, wherein the video
5 player device further comprises:

a select button for providing a user the capability to select at least one of the indexed points enabling display of the data flow to begin at the selected indexed point.

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14. The device of claim 10, wherein said look-x data stream connection is a low resolution data stream relative to the main data stream connection.

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